

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Lin Zhi et al.                      Art Unit : 2123  
Serial No. : 10/684,212                      Examiner : Unknown  
Filed : October 10, 2003  
Title : 5-SUBSTITUTED 7,9-DIFLUORO-5H-CHROMENO [3,4-F] QUINOLINE  
COMPOUNDS AS SELECTIVE PROGESTERONE RECEPTOR  
MODULATOR COMPOUNDS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

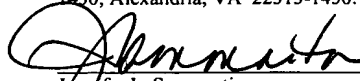
Dear Sir:

Enclosed are a *Power of Attorney by Assignee* and a *Certificate under 37 CFR §3.73(b)*, with a copy of an executed Assignment, and a *Change of Correspondence Address*, in connection with the above-captioned patent application. Please update your records to reflect the change of attorneys for the above-captioned patent application.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

Date of Deposit November 18, 2004

I hereby certify that this paper and the attached papers are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
\_\_\_\_\_  
Jennifer L. Sammartin

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Applicant : Lin Zhi et al.  
Serial No. : 10/684,212  
Filed : October 10, 2003  
Page : 2 of 2

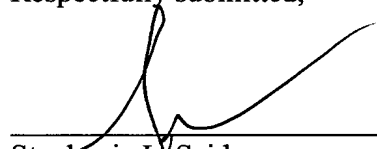
Attorney's Docket No.: 18202-019001 / 1087



If anything further is required, please do not hesitate to contact the undersigned attorney for the assignee.

☒ The Commissioner is hereby authorized to charge any fees that may be due in connection with this paper or with this application during its entire pendency to Deposit Account No. 06-1050. A duplicate of this sheet is enclosed.

Respectfully submitted,

  
Stephanie L. Seidman  
Reg. No. 33,779

**Address all correspondence to:**

Stephanie L. Seidman  
Fish & Richardson P.C.  
12390 El Camino Real  
San Diego, California 92130  
Telephone: (858) 678-5070  
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NOV 22 2004

**CHANGE OF  
CORRESPONDENCE ADDRESS  
Application**Address to:  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Application Number	10/684,212
Filing Date	October 10, 2003
First Named Inventor	Lin Zhi et al.
Group Art Unit	2123
Examiner Name	Unknown
Attorney Docket Number	18202-019001 / 1087

Please change the Correspondence Address for the above-identified application to:

**Customer Number: 20985****Firm or  
Individual Name**

Stephanie L. Seidman

**Address**

Fish &amp; Richardson P.C.

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12390 El Camino Real

**City**

San Diego

**State** CA**Zip** 92130-2081**Country**

United States of America

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(858) 678-5070

**Fax** (858) 678-5099

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

I am the :



Applicant/Inventor.

Assignee of record of the entire interest.  
Certificate under 37 CFR 3.73(b) is enclosed.Attorney or agent of record. Registration Number 33,779Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number 33,779Typed or Printed  
Name

Stephanie L. Seidman

Signature

Date

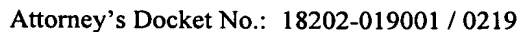
11/18/2004

Telephone

(858) 678-5070

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 1 forms are submitted.



## UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Lin Zhi et al. Art Unit : 2123  
Serial No. : 10/684,212 Examiner : Unknown  
Filed : October 10, 2003  
Title : 5-SUBSTITUTED 7,9-DIFLUORO-5H-CHROMENO[3,4-F]QUINOLINE  
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MODULATOR COMPOUNDS

## POWER OF ATTORNEY BY ASSIGNEE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Revoking any and all powers of attorney and authorizations of agent heretofore made in respect of the above-captioned patent application, the Assignee of the entire interest in this patent application hereby appoints the following as its attorneys, with full power of substitution and revocation, to prosecute the application and to transact all business in the Patent and Trademark Office connected therewith:

STEPHANIE SEIDMAN, Registration No. 33,779; FRED C. HERNANDEZ, Registration No. 41,832, DALE L. RIEGER, Registration No. 43,045; PAULA K. SCHOENECK, Registration No. 39,362 and SCOTT C. HARRIS, Registration No. 32,030. Please direct all telephonic inquiries to Stephanie Seidman at telephone no. (858) 678-5070.

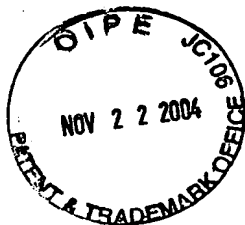
**Address all correspondence to:**

Stephanie Seidman  
FISH & RICHARDSON P.C.  
12390 El Camino Real  
San Diego, California 92130-2081

LIGAND PHARMACEUTICALS INCORPORATED

Date: 10/8/04

**Warner R. Broaddus, General Counsel**  
**Vice President and Secretary**



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MODULATOR COMPOUNDS

**CERTIFICATE UNDER 37 C.F.R. § 3.73(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

LIGAND PHARMACEUTICALS INCORPORATED, a Delaware corporation, with a current business address of 10275 Science Center Drive, San Diego, California 92121, U.S.A., is the Assignee of the entire right, title and interest in the above-captioned patent application by virtue of an Assignment from the inventors. A copy of the Assignment from the inventors to LIGAND PHARMACEUTICALS INCORPORATED is attached hereto.

The undersigned (whose title is supplied below) is empowered to act on behalf of the Assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

LIGAND PHARMACEUTICALS INCORPORATED

Warner R. Broaddus, General Counsel  
Vice President and Secretary

Date: 10/8/04

**ASSIGNMENT**

For valuable consideration, we, LIN ZHI, of San Diego, California, and a citizen of the U.S.; CORNELIS ARJAN VAN OEVEREN, of Carlsbad, California and a citizen of The Netherlands; BIAN PEDRAM, of San Diego, California, and a citizen of Canada; and DONALD S. KARANEWSKY, of Escondido, California, and a citizen of the U.S. (hereinafter collectively referred to as "Assignors"), hereby assign to LIGAND PHARMACEUTICALS INCORPORATED, a corporation organized and existing under and by the virtue of the laws of the State of Delaware, and having a place of business at 10275 Science Center Drive, San Diego, California 92121, and its successors and assigns (hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the invention and improvements which are the subject of an application for United States Patent filed October 10, 2003, as U.S. Serial No. 10/684,212, entitled **5-SUBSTITUTED 7,9-DIFLUORO-5H-CHROMENO[3,4-f]QUINOLINE COMPOUNDS AS SELECTIVE PROGESTERONE RECEPTOR MODULATOR COMPOUNDS**, and related applications and patents, this assignment including said application, any and all United States and foreign patents granted for any of said inventions or improvements, including all divisions, continuations, reissues, continuations-in-part and extensions thereof, and the right to claim priority based on the filing date of said application and based on the filing date of any provisional application of which said application claims the benefit under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents and like rights of exclusion and for inventor's certificates for said inventions and improvements; and we agree for ourselves and our heirs, legal representatives and assigns, without further compensation, upon request to perform such lawful acts, to promptly provide Assignee with all pertinent facts and documents relating to said invention or application as may be known and accessible to us, to testify in any interference or litigation related to said invention or

application and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

The Assignors hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Agreement.

WITNESS my hand at San Diego, California, U.S.A.

this 28th day of May, 2004.

  
LIN ZHI


STATE OF California )  
COUNTY OF San Diego ) ss

On May 28, 2004 before me, Michele P. Travis, Notary, personally appeared

LIN ZHI

☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

  
Notary Public in and for said County and State



WITNESS my hand at San Diego, California, USA,  
this 25 day of March, 2004.

  
\_\_\_\_\_  
CORNELIS ARJAN VAN OEVEREN

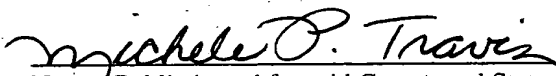
STATE OF California )  
COUNTY OF San Diego ) ss

On March 25, 2004 before me, Michele P. Travis, Notary, personally appeared

\_\_\_\_\_  
CORNELIS ARJAN VAN OEVEREN

☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies); and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

  
\_\_\_\_\_  
Notary Public in and for said County and State





WITNESS my hand at San Diego, California,  
this 28<sup>th</sup> day of may, 2004.

BiJan  
BIJAN PEDRAM

STATE OF California )  
COUNTY OF San Diego ) ss

On May 28, 2004 before me, Michele P. Travis, Notary, personally appeared

BIJAN PEDRAM

☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Michele P. Travis  
Notary Public in and for said County and State



WITNESS my hand at San Diego, California,  
this 9<sup>th</sup> day of April, 2004.

Donald S. Karanewsky  
DONALD S. KARANEWSKY

STATE OF California )  
COUNTY OF San Diego ) ss

On 4/9/04 before me, OFELIA ROSADO, personally appeared

DONALD S. KARANEWSKY

☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Ofelia Rosado  
Notary Public in and for said County and State

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